

English Translation of

PUBLICATION OF EXAMINED UTILITY MODEL APPLICATION

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Title:	An evaporation type humidifier
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[Claim of utility model]

1. In an evaporation type humidifier a dipping prick a water reservoir with a retainer of an evaporation element, and to vaporize liquid from the remaining surface, it seems to be become in the shape of a pipe in a tank, and an evaporation element is disposed, It makes produce difference of atmospheric pressure between space part and inside air space of a pipe-shaped evaporation element approaching the tank side wall inside, and it is an evaporation type humidifier including making produce a current of air along both sides of an evaporation element.
2. A bore is arranged on the part which is near to the surface of the water of an evaporation element, and it is an evaporation type humidifier as claimed in a foregoing paragraph including making produce air style drifting to a reverse direction through a the above mentioned bore in consonance with both sides of an evaporation element.
3. A pipe-shaped evaporation element is composed by means of plural evaporation element units, space is established in an interval between each evaporation element units, and an inner pipe is arranged on between pipe more-shaped evaporation element and tank side walls, and an air flow passage is formed between an inner pipe and the surfaces of the water, and it is an evaporation type humidifier as claimed in item including making produce air style drifting to the direction in consonance with both sides of an evaporation element the first.

[Brief description of drawings]

Figure 1 and figure 2 are sectional views of the first example of the present invention, Figure 1 is a longitudinal sectional view along I · I line of figure 2, Figure 2 is a cross-sectional view along II · II line of figure 1, and Figure 3 and figure 4 are longitudinal sectional views same as figure one or two of the second example.

1 ... tank, 2 ... water, 6 ... evaporation elements, 7 ... bores, 8... lid, 9 ... fans, 12 ... intervals, 13 ... an inner pipe, 14 ... air flow passages

(3)

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(全 3 頁)

④蒸発式加湿器

①実 願 昭52—109558

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⑤実用新案登録請求の範囲

(1) 水タンクに蒸発素子の下部を浸漬させ、その残りの表面から水分を蒸発させる蒸発式加湿器において、蒸発素子を水タンク内に筒状をなすように配置し、タンク側壁内側に近接する空間部と筒状蒸発素子の内側空間との間に気圧差を生じさせて、蒸発素子の両面に沿う気流を生じさせることを特徴とする蒸発式加湿器。

(2) 蒸発素子の水面に近い部分に孔を設け、前記孔を通して蒸発素子の両面に沿って逆方向に流れる空気流を生じさせることを特徴とする前項記載の蒸発式加湿器。

(3) 筒状蒸発素子を複数の蒸発素子単位によつて構成し、各蒸発素子単位同士の間に関隙を設け、

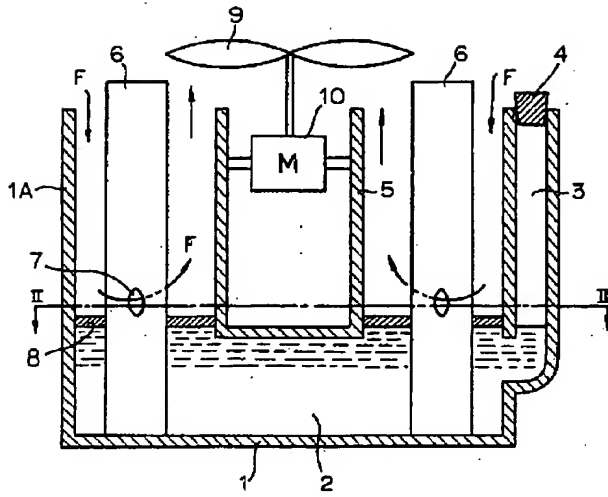
さらに筒状蒸発素子とタンク側壁との間に内筒を配設し、かつ内筒と水面との間に空気通路を形成し、蒸発素子の両面に沿って同方向に流れる空気流を生じさせることを特徴とする第(1)項記載の蒸発式加湿器。

図面の簡単な説明

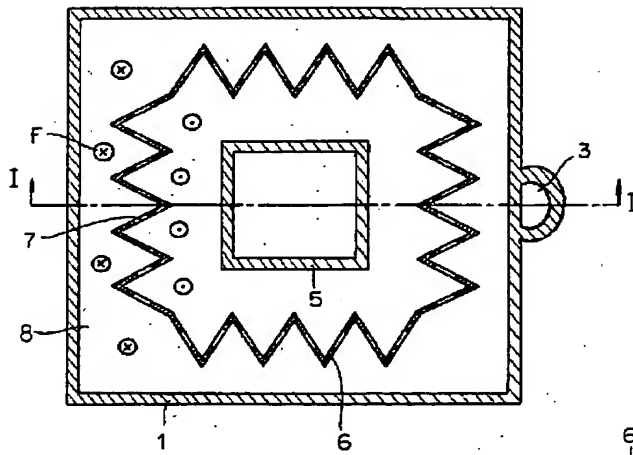
第1図および第2図は本考案第1実施例の断面図で、第1図は第2図のI—I線に沿う縦断面図、第2図は第1図のII—II線に沿う横断面図、第3図および第4図は第2実施例の第1、2図と同様の断面図である。

1……タンク、2……水、6……蒸発素子、7……孔、8……蓋、9……ファン、12……間隙、13……内筒、14……空気通路。

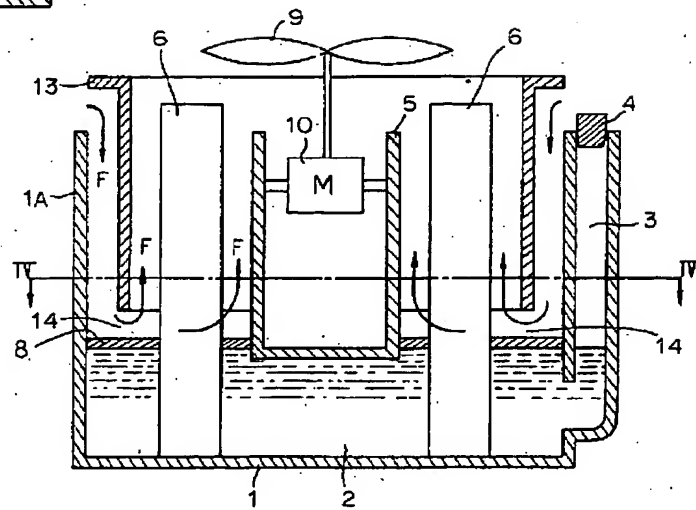
第 1 図



第 2 図



第 3 図



第 4 図

